

PCT\_EP\_04\_00030\_sequence\_listing.txt  
SEQUENCE LISTING

SC20 REC'd PCT/PTO 05 JUL 2005

<110> alcedo biotech GmbH

<120> Use of HMGB, HMGN, HMGA proteins

<130> A 10009 PCT

<160> 64

<170> PatentIn version 3.1

<210> 1

<211> 107

<212> PRT

<213> Homo sapiens

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Glu Lys Asp Gly Thr Glu Lys Arg Gly Arg Gly Arg Pro Arg Lys Gln  
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Pro Pro Val Ser Pro Gly Thr Ala Leu Val Gly Ser Gln Lys Glu Pro  
35 40 45

Ser Glu Val Pro Thr Pro Lys Arg Pro Arg Gly Arg Pro Lys Gly Ser  
50 55 60

Lys Asn Lys Gly Ala Ala Lys Thr Arg Lys Thr Thr Thr Thr Pro Gly  
65 70 75 80

Arg Lys Pro Arg Gly Arg Pro Lys Lys Leu Glu Lys Glu Glu Glu Glu  
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Gly Ile Ser Gln Glu Ser Ser Glu Glu Glu Gln  
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PCT\_EP\_04\_00030\_sequence listing.txt

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<213> Homo sapiens

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Pro Pro Lys Glu Pro Ser Glu Val Pro Thr Pro Lys Arg Pro Arg Gly  
35 40 45

Arg Pro Lys Gly Ser Lys Asn Lys Gly Ala Ala Lys Thr Arg Lys Thr  
50 55 60

Thr Thr Thr Pro Gly Arg Lys Pro Arg Gly Arg Pro Lys Lys Leu Glu  
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Lys Glu Glu Glu Glu Gly Ile Ser Gln Glu Ser Ser Glu Glu Glu Gln  
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<213> Homo sapiens

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Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln  
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Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
50 55 60

PCT\_EP\_04\_00030\_sequence listing.txt

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro  
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Arg Lys Trp Pro Gln Gln Val Val Gln Lys Lys Pro Ala Gln Glu Glu  
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Thr Glu Glu Thr Ser Ser Gln Glu Ser Ala Glu Glu Asp  
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20 25 30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro  
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Arg Lys Trp

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PCT\_EP\_04\_00030\_sequence\_listing.txt

Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro  
20 25 30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
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Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro  
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Arg Lys Trp Glu Glu Phe Tyr Ile Ala Ala  
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Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro  
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Arg Lys Trp Pro Thr Ile Ala Leu Cys Thr His Trp Ile Asn Ile Cys  
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35 40 45

Trp Lys Thr Met Ser Ala Lys Glu Lys Gly Lys Phe Glu Asp Met Ala  
50 55 60

Lys Ala Asp Lys Ala Arg Tyr Glu Arg Glu Met Lys Thr Tyr Ile Pro  
65 70 75 80

Pro Lys Gly Glu Thr Lys Lys Lys Phe Lys Asp Pro Asn Ala Pro Lys  
85 90 95

Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr Arg Pro Lys  
100 105 110

Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly Asp Val Ala Lys Lys  
115 120 125

Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp Asp Lys Gln Pro Tyr  
130 135 140

Glu Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Ile Ala  
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Ala Tyr Arg Ala Lys Gly Lys Pro Asp Ala Ala Lys Lys Gly Val Val  
165 170 175

Lys Ala Glu Lys Ser Lys Lys Lys Lys Glu Glu Glu Glu Asp Glu Glu  
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Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro  
65 70 75 80

Arg Lys Trp Ala Gly Val Gln Trp Tyr Asn Leu Gly Ser Leu Gln Pro  
85 90 95

Pro Pro Pro Arg Phe Lys Gln Phe Ser Cys Leu Arg Leu Leu Ser Ser  
100 105 110

Trp Asp Tyr Arg His Pro Pro Pro His Pro Ala Asn Phe Cys Ile Phe  
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Asp Leu Arg  
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PCT\_EP\_04\_00030\_sequence\_listing.txt

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 Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
 35 40 45  
 Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
 50 55 60  
 Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro  
 65 70 75 80  
 Arg Lys Trp Asp Asn Leu Leu Pro Arg Thr Ser Ser Lys Lys Lys Thr  
 85 90 95  
 Ser Leu Gly Asn Ser Thr Lys Arg Ser His  
 100 105

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 Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
 35 40 45  
 Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
 50 55 60  
 Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro  
 65 70 75 80

PCT\_EP\_04\_00030\_sequence\_listing.txt

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<212> PRT

<213> Homo sapiens

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Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro  
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Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro  
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Arg Lys Trp Pro Gln Gln Val Val Gln Lys Lys Pro Ala Gln Tyr Ser  
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<212> PRT

<213> Homo sapiens

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Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln  
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Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro  
20 25 30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
35 40 45



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Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro  
65 70 75 80

Arg Lys Trp Pro Gln Gln Val Val Gln Lys Lys Pro Ala Gln Val Asn  
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Val Ala Leu Pro Gly Lys Asp His Pro Gly Asn Leu Ile Tyr Leu Leu  
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Phe Ser Lys Asn Ala Thr  
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Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro  
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Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
50 55 60

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Arg Lys Trp Pro Gln Gln Val Val Gln Lys Lys Pro Ala Gln Asp  
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Thr Glu Lys Arg Gly Arg Gly Arg Pro Arg Lys  
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Thr Pro Lys Arg Pro Arg Gly Arg Pro Lys Gly  
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<210> 16

<211> 12

<212> PRT

<213> Homo sapiens

<400> 16

Thr Pro Gly Arg Lys Pro Arg Gly Arg Pro Lys Lys  
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<210> 17

<211> 11

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Thr Glu Lys Arg Gly Arg Gly Arg Pro Arg Lys  
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PCT\_EP\_04\_00030\_sequence listing.txt

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Thr Pro Lys Arg Pro Arg Gly Arg Pro Lys Gly  
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Thr Pro Gly Arg Lys Pro Arg Gly Arg Pro Lys Lys  
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Pro Gln Lys Arg Gly Arg Gly Arg Pro Arg Lys  
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PCT\_EP\_04\_00030\_sequence\_listing.txt

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Val Val Gln Lys Lys  
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<212> PRT

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Pro Lys Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe Val Gln  
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Thr Cys Arg Glu Glu His Lys Lys Lys His Pro Asp Ala Ser Val Asn  
20 25 30

Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser  
35 40 45

Ala Lys Glu Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala  
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Arg Tyr Glu Arg Glu Met Lys Thr Tyr Ile Pro Pro Lys Gly  
65 70 75

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<212> PRT

<213> Homo sapiens

<400> 24

Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe Val Gln Thr Cys Arg  
Page 12

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 Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser Ala Lys Glu  
           35                  40                  45  
 Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala Arg Tyr Glu  
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Pro Lys Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe Val Gln  
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 Thr Cys Arg Glu Glu His Lys Lys Lys His Pro Asp Ala Ser Val Asn  
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 Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser  
           35                  40                  45  
 Ala Lys Glu Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala  
           50                  55                  60  
 Arg Tyr Glu Arg Glu Met Lys Thr Tyr  
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<213> Homo sapiens

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PCT\_EP\_04\_00030\_sequence\_listing.txt

Pro Asn Ala Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser  
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Glu Tyr Arg Pro Lys Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly  
20 25 30

Asp Val Ala Lys Lys Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp  
35 40 45

Asp Lys Gln Pro Tyr Glu Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr  
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Glu Lys Asp Ile Ala Ala Tyr Arg Ala Lys Gly  
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<210> 27

<211> 69

<212> PRT

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<400> 27

Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr Arg  
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Pro Lys Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly Asp Val Ala  
20 25 30

Lys Lys Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp Asp Lys Gln  
35 40 45

Pro Tyr Glu Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp  
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Ile Ala Ala Tyr Arg  
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PCT\_EP\_04\_00030\_sequence listing.txt

Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr Arg  
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Pro Lys Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly Asp Val Ala  
20 25 30

Lys Lys Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp Asp Lys Gln  
35 40 45

Pro

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<212> PRT

<213> Homo sapiens

<400> 29

Glu Glu His Lys Lys Lys Asn Pro Asp Ala Ser Val Lys Phe Ser Glu  
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Phe Leu Lys Lys Cys Ser Glu Thr Trp Lys Thr Ile Phe Ala Lys Glu  
20 25 30

Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala His Tyr Glu  
35 40 45

Arg Glu Met Lys Thr Tyr Ile Pro Pro Lys Gly Glu Lys Lys Lys Lys  
50 55 60

Phe Lys Asp Pro Asn Ala Pro Lys Arg Pro Pro Leu Ala Phe Phe Leu  
65 70 75 80

Phe Cys Ser Glu Tyr Arg Pro Lys Ile Lys Gly Glu His Pro Gly Leu  
85 90 95

Ser Ile Asp Asp Val Val Lys Lys Leu Ala Gly Met Trp Asn Asn Thr  
100 105 110

Ala Ala Ala Asp Lys Gln Phe Tyr Glu Lys Lys Ala Ala Lys Leu Lys  
115 120 125

Glu Lys Tyr Lys Lys Asp Ile Ala Ala Tyr Arg Ala Lys Gly Lys Pro  
130 135 140

PCT\_EP\_04\_00030\_sequence\_listing.txt

Asn Ser Ala Lys Lys Arg Val Val Lys Ala Glu Lys Ser Lys Lys Lys  
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Lys Glu Glu Glu Glu Asp Glu Glu Asp Glu Gln Glu Glu Glu Asn Glu  
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Glu Asp Asp Asp Lys  
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20 25 30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro  
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala  
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro  
65 70 75 80

Arg Lys Trp Asn Thr Leu Glu Gln Cys Asn Val Cys Ser Lys Pro Ile  
85 90 95

Met Glu Arg Ile Leu Arg Ala Thr Gly Lys Ala Tyr His Pro His Cys  
100 105 110

Phe Thr Cys Val Met Cys His Arg Ser Leu Asp Gly Ile Pro Phe Thr  
115 120 125

Val Asp Ala Gly Gly Leu Ile His Cys Ile Glu Asp Phe His Lys Lys  
130 135 140

Phe Ala Pro Arg Cys Ser Val Cys Lys Glu Pro Ile Met Pro Ala Pro  
Page 16



145 150 155 160

Gly Gln Glu Glu Thr Val Arg Ile Val Ala Leu Asp Arg Asp Phe His  
165 170 175

Val His Cys Tyr Arg Cys Glu Asp Cys Gly Gly Leu Leu Ser Glu Gly  
180 185 190

Asp Asn Gln Gly Cys Tyr Pro Leu Asp Gly His Ile Leu Cys Lys Thr  
195 200 205

Cys Asn Ser Ala Arg Ile Arg Val Leu Thr Ala Lys Ala Ser Thr Asp  
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PCT\_EP\_04\_00030\_sequence\_listing.txt

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PCT\_EP\_04\_00030\_sequence\_listing.txt

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<212> DNA

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PCT\_EP\_04\_00030\_sequence\_listing.txt

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&lt;210&gt; 39

&lt;211&gt; 291

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;210&gt; 40

&lt;211&gt; 1207

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; NCIB Accession No. NM\_002128

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PCT\_EP\_04\_00030\_sequence\_listing.txt

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<211> 648

<212> DNA

<213> Homo sapiens

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&lt;210&gt; 42

&lt;211&gt; 444

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 42

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&lt;210&gt; 43

&lt;211&gt; 321

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 43

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&lt;210&gt; 44

&lt;211&gt; 279

## PCT\_EP\_04\_00030\_sequence\_listing.txt

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&lt;213&gt; Homo sapiens

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&lt;210&gt; 45

&lt;211&gt; 291

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 45

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&lt;210&gt; 46

&lt;211&gt; 357

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 46

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PCT\_EP\_04\_00030\_sequence\_listing.txt

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<212> DNA

<213> Homo sapiens

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<211> 33

<212> DNA

<213> Homo sapiens

<400> 48

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<210> 49

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<212> DNA

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<400> 49

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<210> 50

<211> 36

<212> DNA

<213> Homo sapiens

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PCT\_EP\_04\_00030\_sequence\_listing.txt 36

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<211> 33

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<210> 52

<211> 33

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<210> 53

<211> 36

<212> DNA

<213> Homo sapiens

<400> 53 36

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<210> 54

<211> 33

<212> DNA

<213> Homo sapiens

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<210> 55

<211> 33

PCT\_EP\_04\_00030\_sequence\_listing.txt

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<210> 56

<211> 63

<212> DNA

<213> Homo sapiens

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63

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<211> 234

<212> DNA

<213> Homo sapiens

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120

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234

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<211> 213

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120

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